

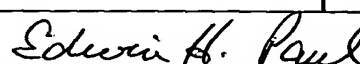


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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</small>		Attorney Docket No. 112055-0062U	
		First Inventor Philip C. Zuk et al.	
		Title RFID TAG WIDE BANDWIDTH LOGARITHMIC SPIRAL ANTENNA METHOD AND SYSTEM	
		Express Mail Label No. EV336667942US	
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents Box 1450 Alexandria, VA 22313-1450	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small></p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 11] <small>(preferred arrangement set forth below)</small> - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 6]</p> <p>5. Oath or Declaration [Total Pages 3] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for a continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small></p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>		<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p>ACCOMPANYING APPLICATIONS PARTS</p> <p>9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other:</p>	
<p>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: _____ /</p> <p><small>Prior application information: Examiner _____ Group / Art Unit:</small></p> <p>For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>			
17. CORRESPONDENCE ADDRESS			
<p><input checked="" type="checkbox"/> Customer Number or Bar Code Label  or <input type="checkbox"/> Correspondence address below</p> <p style="text-align: center;">24267</p> <p style="text-align: center;">PATENT TRADEMARK OFFICE</p>			
Name Edwin H. Paul			
Address Cesari and McKenna			
88 Black Falcon Avenue			
City Boston	State MA	Zip Code 02210	
Country U. S. A.	Telephone (617) 951-2500	Fax (617) 951-3927	
Name (Print/Type) Edwin H. Paul		Registration No. (Attorney/Agent) 31,405	
Signature 		Date September 18, 2003	

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16085 U.S. PTO
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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims Small Entity Status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 786

Complete if Known

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Philip C. Zuk et al.
Examiner Name	Not yet assigned
Group Art Unit	Not yet assigned
Attorney Docket No.	112055-00620

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money ☐ Other ☐ None
☒ Deposit Account
 Deposit Account Number: 03-1237
 Deposit Account Name: Cesari and McKenna, LLP

The Commissioner is authorized to: (check all that apply)
 Charge any deficiency or
☐ Charge fee indicated below ☒ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	750	Utility filing fee	750
		1002	330	Design filing fee	
		1003	520	Plant filing fee	
		1004	750	Reissue filing fee	
		1005	160	Provisional filing fee	
SUBTOTAL (1)					750

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims Fee from below Fee Paid
 Total Claims: 22 - 20** = 2 x 18 = 36
 Independent Claims: 2 - 3** = 0 x 84 = 0
 Multiple Dependent: = 0

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
		1202	18	Claims in excess of 20
		1201	84	Independent claims in excess of 3
		1203	280	Multiple dependent claim, if not paid
		1204	84	**Reissue independent claims over original patent
		1205	18	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 36

**or number previously paid, if greater; For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051 65 Surcharge - late filing fee or oath	
		1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053 130 Non-English Specification	
		1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
		1804	920	1804 920* Requesting publication of SIR prior to Examiner action	
		1805	1,840	1805 1,840* Requesting publication of SIR after Examiner action	
		1251	110	2251 55 Extension for reply within first month	
		1252	410	2252 205 Extension for reply within second month	
		1253	930	2253 465 Extension for reply within third month	
		1254	1,450	2254 725 Extension for reply within fourth month	
		1255	1,970	2255 985 Extension for reply within fifth month	
		1401	320	2401 160 Notice of Appeal	
		1402	320	2402 160 Filing a brief in support of an appeal	
		1403	280	2403 140 Request for oral hearing	
		1451	1,510	1451 1,510 Petition to institute a public use proceeding	
		1452	110	2452 55 Petition to revive - unavoidable	
		1453	1,300	2453 650 Petition to revive - unintentional	
		1501	1,300	2501 650 Utility Issue fee (or reissue)	
		1502	470	2502 235 Design Issue fee	
		1503	630	2503 315 Plant Issue fee	
		1460	130	1460 130 Petitions to the Commissioner	
		1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
		1806	180	1806 180 Submission of Information Disclosure Stmt	
		8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
		1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
		1810	750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))	
		1801	750	2801 375 Request for Continued Examination (RCE)	
		1802	900	1802 900 Request for expedited examination of a design application	

Other fee (specify)
 Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0

SUBMITTED BY

Name (Print/Type) Edwin H. Paul

Signature

Registration No. (Attorney/Agent)

31,405

Complete (if applicable)

Telephone (617) 951-2500

Date September 18, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OF COMPLETED FORMS TO THIS

PATENTS
112055-0062U
17732-66660.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)	
Philip C. Zuk et al.)	
)	
Serial No.: Not yet assigned)	Examiner: Not yet assigned
)	
Filed: Herewith)	
)	Art Unit: Not yet assigned
For: RFID TAG WIDE BANDWIDTH)	
LOGARITHMIC SPIRAL AN-)	
TENNA METHOD AND SYSTEM)	
)	
		Cesari and McKenna, LLP
		88 Black Falcon Avenue
		Boston, MA 02210
		September 18, 2003

EXPRESS-MAIL DEPOSIT

“Express Mail” Mailing-Label Number: EV336667942US

The following papers are being deposited with the United States Postal Service
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

<u>X</u> Patent Application (11 pages including 22 claims)	<u>X</u> Oath or Declaration
<u>X</u> Power of Attorney	<u>X</u> Utility Patent Application Transmittal
<u>X</u> Fee Transmittal Letter	Letter
<u>X</u> Formal Drawing (6 sheets)	<u>X</u> Check No. <u>27199</u> for \$786.00
<u>X</u> Letter to Official Draftsman	<u>X</u> Return Receipt Postcard